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LOCUS HUMMRNAC 2062 bp mRNA PRI 26-JUL-1993  
 DEFINITION Human (clone CTG-A4) mRNA sequence.  
 ACCESSION L10374  
 VERSION L10374.1 GI:307288  
 KEYWORDS .  
 SOURCE Homo sapiens (library: Stratagene lambda ZAP II) female 85 years frontal Cortex cDNA to mRNA.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 2062)  
 AUTHORS Li, S.-H., McInnis, M., Margolis, R., Antonarakis, S. and Ross, C.  
 TITLE Novel triplet repeat containing genes in human brain: Cloning, expression, and length polymorphisms  
 JOURNAL Genomics 16, 572-579 (1993)  
 MEDLINE 93315145  
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781  gcatccactt ccgctctgga acttgctcga tttttacctt tcgttttgta attcctacac
841  actttgggag ttgttctcgg ggttgctccag tcccaacact ttgaactgca gtctggatgt
901  ggtgctcaag gaaggcggcg agatgaccac ttgcaggcag tgcgctcgagg cttaccagga
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1021  acagtcggag gactactcgg tgaatcctg tcctgaagac tgtaagattg tctacaaagc
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1141  caagcaatac tgtttgaggg ttccagacgag gtgtccattt atattgcccg acaatgatga
1201  agtcatctac ggaggcctct ccagtttcat ctgtacaggg ctttatgaaa cctttctaac
1261  caatgatgaa ccagaatgct gtgacgtcag gagagaagaa aaatcawata acccatccaa
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1381  aagactgtgc aacagcagac tcaagctgtg tggtcttgta ctgattctct tacacacagt
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1561  gcccgccgtg aaaaatggca actgctgtct catgtaacag aaactgggtg cttttacctt
1621  cgaattactt attgcaaggc ctttagggta aaatttaaac agatgggcct gaatccaaac
1681  aaggacacaa ccacagcttt ttattgacta aaaggctgga aagtgacttt aaatttctca
1741  caccatttta tacactgtgt tttaatgttt ggagggttta tttgctttcg ttttggtttg
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1861  ttctcagagg taaactaagt cttttcactg tctctatctc tctatatatt tctagtcatt
1921  gtgtgtgttc atcagatagt tctgtcttta tgcctgttca gcttctatta gaggaatgat
1981  tgctatgacc tcatgggtata gcaaaaaaca acaacaaaaa aagaataaaa aataaaaaag
2041  acaaaaaaaa gaaaaggaaat tc

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[http://www.bionauts.genset.fr/cgi/srs/sr...d+1Zqmx1HnOY\\_+-e+\[GENBANK-ID:'HUMMRNAC'\]](http://www.bionauts.genset.fr/cgi/srs/sr...d+1Zqmx1HnOY_+-e+[GENBANK-ID:'HUMMRNAC'])

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LOCUS H09867 229 bp mRNA EST 23-JUN-1995  
 DEFINITION ym01g08.r1 Soares infant brain 1NIB Homo sapiens cDNA clone  
 IMAGE:46473 5', mRNA sequence.  
 ACCESSION H09867  
 VERSION H09867.1 GI:874689  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 229)  
 AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman  
 ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,  
 Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston  
 ,R., Williamson,A., Wohlmann,P. and Wilson,R.  
 TITLE The WashU-Merck EST Project  
 JOURNAL Unpublished (1995)  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 Insert Size: 1697  
 High quality sequence stops: 216  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Insert Length: 1697 Std Error: 0.00  
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 /lab\_host="DH10B (ampicillin resistant)"  
 /note="Organ: whole brain; Vector: Lafmid BA; Site\_1: Not  
 I; Site\_2: Hind III; 1st strand cDNA was primed with a Not  
 I - oligo(dT) primer [5'  
 AACTGGAAGAATTGCGCGCCGCAGGAATTTTTTTTTTTTTTTTTTTT 3'];  
 double-stranded cDNA was ligated to Hind III adaptors  
 (Pharmacia), digested with Not I and directionally cloned  
 into the Not I and Hind III sites of the Lafmid BA vector.  
 Library went through one round of normalization. Library  
 constructed by Bento Soares and M.Fatima Bonaldo."  
 BASE COUNT 54 a 76 c 45 g 53 t 1 others  
 ORIGIN  
 1 cctaagtctc cttctaccc acagaaccaa caacaccctt cccggccttt cctttccctc  
 61 gccctcttct cgtcccctaa gcaaacaaca tccgcttgct tctgtctgtg taaccacagt  
 121 gaatgggtgt gcacgcttga tgggcctctg agccctgtt gcacaaacca gaaacagagc  
 181 ggancaaggg ggctgacaa gagttccttt ttagctgaac aaacaagtg  
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LOCUS AA319416 217 bp mRNA EST 19-APR-1997  
 DEFINITION EST21636 Adrenal gland tumor Homo sapiens cDNA 5' end similar to similar to H. sapiens hypothetical protein CTG-A4 (GB:L10374), mRNA sequence.  
 ACCESSION AA319416  
 VERSION AA319416.1 GI:1971741  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 217)  
 AUTHORS Adams,M.D., Kerlavage,A.R., Fleischmann,R.D., Fuldner,R.A., Bult ,C.J., Lee,N.H., Kirkness,E.F., Weinstock,K.G., Gocayne,J.D., White ,O., Sutton,G., Blake,J.A., Brandon,R.C., Man-Wai,C., Clayton,R.A., Cline,T.R., Cotton,M.D., Earle-Hughes,J., Fine,L.D., Fitzgerald ,L.M., Fitzhugh,W.M., Fritchman,J.L., Geoghagen,N.S., Glodek,A., Gnehm,C.L., Hanna,M.C., Hedblom,E., Hinkle,P.S.Jr., Kelley,J.M., Kelley,J.C., Liu,L.-I., Marmaros,S.M., Merrick,J.M., Moreno-Palanques,R.F., McDonald,L.A., Nguyen,D.T., Pelligrino,S.M., Phillips,C.A., Ryder,S.E., Scott,J.L., Saudek,D.M., Shirley,R., Small,K.V., Spriggs,T.A., Utterback,T.R., Weidman,J.F., Li,Y., Bednarik,D.P., Cao,L., Cepeda,M.A., Coleman,T.A., Collins,E.J., Dimke,D., Feng,D.-F., Ferrie,A., Fischer,C., Hastings,G.A., He,W.W., Hu,J.S., Greene,J.M., Gruber,J., Hudson,P., Kim,A.K., Kozak,D.L., Kunsch,C., Hungjun,J., Li,H., Meissner,P.S., Olsen,H., Raymond,L., Wei,Y.F., Wing,J., Xu,C., Yu,G.L., Ruben,S.M., Dillion,P.J., Fannon ,M.R., Rosen,C.A., Haseltine,W.A., Fields,C., Fraser,C.M. and Venter,J.C.  
 TITLE Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence  
 JOURNAL Nature 377 (6547 Suppl), 3-174 (1995)  
 MEDLINE 96026280  
 COMMENT Contact: Kerlavage, AR  
 Bioinformatics  
 The Institute for Genomic Research  
 9712 Medical Center Drive, Rockville, MD 20850 USA  
 Tel: 3018699056  
 Fax: 3018699423  
 Email: arkerlav@tigr.org  
 For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index (<http://www.tigr.org/tdb/hgi/hgi.html>)  
 Seq primer: M13 Reverse.  
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 Site\_1: EcoRI; Site\_2: XhoI"  
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 121 taacggaagg acgagtgtca ccacagcagc agctggcccg ccgtgaaaaa tggcaactnc  
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LOCUS AA424056 292 bp mRNA EST 16-OCT-1997  
 DEFINITION zv80d09.s1 Soares\_total\_fetus\_Nb2HF8\_9w Homo sapiens cDNA clone  
 IMAGE:759953 3', mRNA sequence.  
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 VERSION AA424056.1 GI:2103017  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 292)  
 AUTHORS Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,  
 Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B.,  
 Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,  
 T., Waterston,R. and Wilson,R.  
 TITLE WashU-Merck EST Project 1997  
 JOURNAL Unpublished (1997)  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Seq primer: -41m13 fwd. ET from Amersham  
 High quality sequence stop: 262.  
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 /note="Vector: pT7T3D-Pac (Pharmacia) with a modified  
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 was prepared from mRNA obtained from pooled 8-9 week  
 (total) fetus material with a Not I - oligo(dT) primer [5'  
 TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTT 3'].  
 Double-stranded cDNA was ligated to Eco RI adaptors  
 (Pharmacia), digested with Not I and cloned into the Not I  
 and Eco RI sites of the modified pT7T3 vector. Library  
 went through one round of normalization, and was  
 constructed by Bento Soares and M. Fatima Bonaldo. "  
 BASE COUNT 109 a 41 c 42 g 100 t  
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 121 cttagcagta ccaacatatt ccagaaactg aaatttctct attgcagata aaaagaataa  
 181 taaacagggg aatctatgcc atacatttat gaaacaaata ttgttttctt ggttttcaac  
 241 ttgcttgtag aaataattat tttaatatgg tagttcatta gccagtatac gg  
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LOCUS AA424106 480 bp mRNA EST 16-OCT-1997  
 DEFINITION zv80d09.r1 Soares\_total\_fetus\_Nb2HF8\_9w Homo sapiens cDNA clone  
 IMAGE:759953 5', mRNA sequence.  
 ACCESSION AA424106  
 VERSION AA424106.1 GI:2103076  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 480)  
 AUTHORS Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,  
 Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B.,  
 Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,  
 T., Waterston,R. and Wilson,R.  
 TITLE WashU-Merck EST Project 1997  
 JOURNAL Unpublished (1997)  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Seq primer: -28m13 rev2 ET from Amersham  
 High quality sequence stop: 474.  
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 /note="Vector: pT7T3D-Pac (Pharmacia) with a modified  
 polylinker; Site\_1: Not I; Site\_2: Eco RI; 1st strand cDNA  
 was prepared from mRNA obtained from pooled 8-9 week  
 (total) fetus material with a Not I - oligo(dT) primer [5'  
 TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTT 3'].  
 Double-stranded cDNA was ligated to Eco RI adaptors  
 (Pharmacia), digested with Not I and cloned into the Not I  
 and Eco RI sites of the modified pT7T3 vector. Library  
 went through one round of normalization, and was  
 constructed by Bento Soares and M. Fatima Bonaldo. "  
 BASE COUNT 157 a 100 c 88 g 135 t  
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 241 gacaagagga tcagaagggt ccacttacct gtgttttagc gtttgtttga agataatgcc  
 301 aaccaaaagg tggaaaacta aaaccaccat tgctttacat aagaggtaga cactgcccc  
 361 ccccccaaaa aaaaaacaca gctttgaaag ttgggagaaa cactgcagtc ttcattgtaa  
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LOCUS H09780 529 bp mRNA EST 23-JUN-1995  
 DEFINITION ym01g08.s1 Soares infant brain 1NIB Homo sapiens cDNA clone  
 IMAGE:46473 3', mRNA sequence.  
 ACCESSION H09780  
 VERSION H09780.1 GI:874602  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 529)  
 AUTHORS Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman,  
 M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J.,  
 Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston,  
 R., Williamson, A., Wohldmann, P. and Wilson, R.  
 TITLE The WashU-Merck EST Project  
 JOURNAL Unpublished (1995)  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu  
 Insert Size: 1697  
 High quality sequence stops: 418  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Insert Length: 1697 Std Error: 0.00  
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 High quality sequence stop: 418.  
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 /sex="female"  
 /dev\_stage="73 days post natal"  
 /lab\_host="DH10B (ampicillin resistant)"  
 /note="Organ: whole brain; Vector: Lafmid BA; Site\_1: Not  
 I; Site\_2: Hind III; 1st strand cDNA was primed with a Not  
 I - oligo(dT) primer [5'  
 AACTGGAAGAATTCGCGCCGCGCAGGAATTTTTTTTTTTTTTTTTTTT 3'];  
 double-stranded cDNA was ligated to Hind III adaptors  
 (Pharmacia), digested with Not I and directionally cloned  
 into the Not I and Hind III sites of the Lafmid BA vector.  
 Library went through one round of normalization. Library  
 constructed by Bento Soares and M.Fatima Bonaldo."  
 BASE COUNT 155 a 89 c 89 g 189 t 7 others  
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 121 ttaagcaata cttttattat ttttgaatat tcttaacaga ctggaacgaa acattttttt  
 181 tcaaaacaaa atatgcatac tgtacgcacg tcgcagggtt agtatgatg cagagggttaa  
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 421 taaatttttt ttttnaatta nttgttttgt ttgtttgttt gtttttttna aaaacagccc  
 481 tttttaaccc tncctccccc ggttccaccg taaacccata aaggcnttt

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